MANATEC
ALIGNED TO EXCELLENCE

Ever worried about your

LIMITED WORKSHOP SPACE for setting up a WHEEL ALIGNMENT SERVICE ?



In just 19 sq.mt. Wheel Alignment bay is possible with NEO 3D

Perfect wheel Alignment solution
for space constrained
workshop - Tyre outlet - Alignment centre

NEO 3D is an indigenous design that eliminates the horizontal beam in traditional aligners and avoids minimum mandatory distance between cameras and targets.

NEO 3D
the Space Saver

NEO 3D
THE SPACE SAVER







MICRO TARGETS







- No electronics on wheels
- Less maintenance
- Free from Battery charging & discharging issues
- Safe & easy to handle

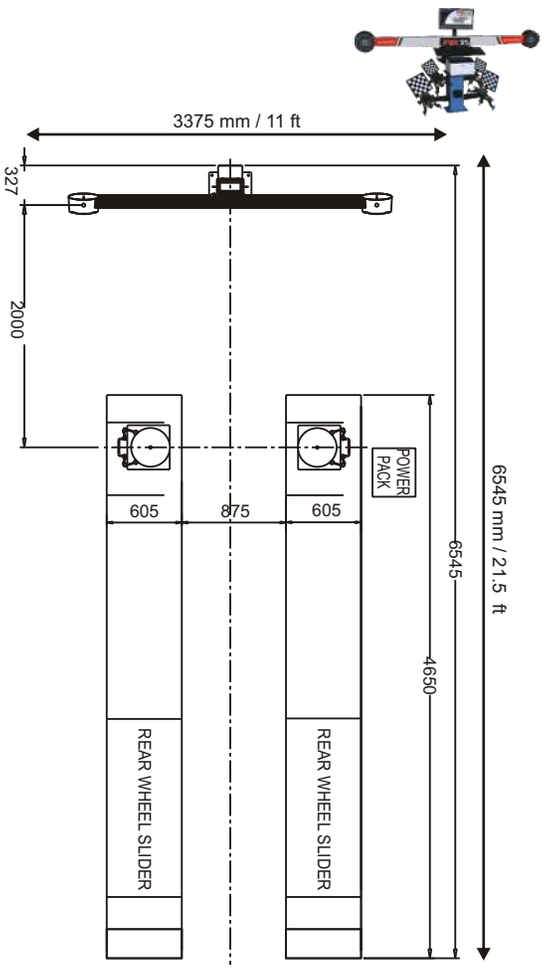


World's smallest target plates for front wheels.

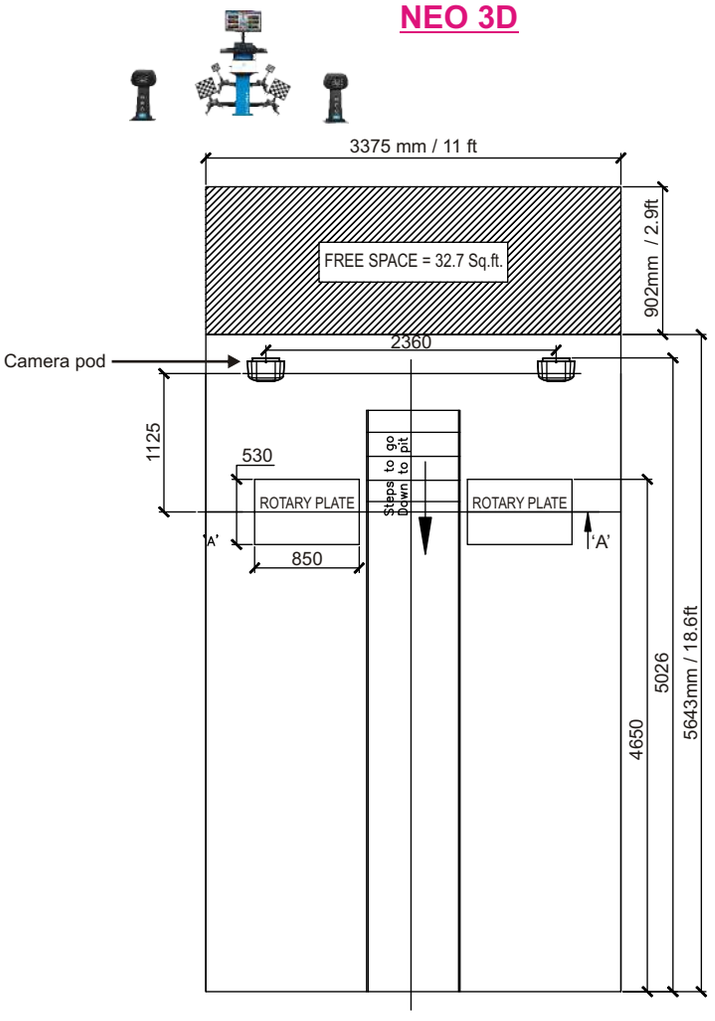
- Extremely light & small
- 2 x size of a credit card
- Weighs only ½ Kg
- 70% lighter compared to other designs

NEO 3D comes with compact camera pods fitted on the floor close to the front wheels of the vehicle at distance of 1125 mm. only. This setup gives free space of 3375x902 mm. (32.7 sq.ft.)

Conventional 3D

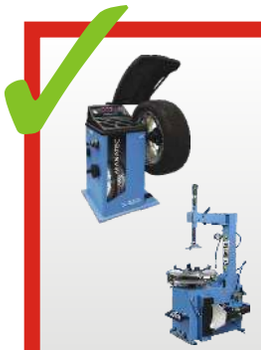


NEO 3D



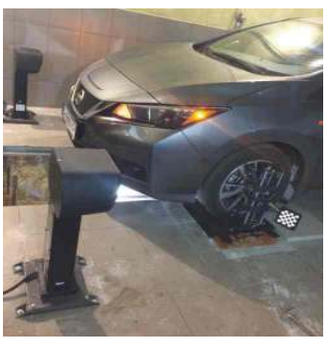
SPACE SAVER

Conventional 3D Space between camera and front target plate **2000 mm.**	**NEO 3D** Space between camera and front target plate **1125 mm.** **space saving - 32.7 sq.ft.**
Total space required **3375 x 6545 mm. (237 sq.ft.)**	Total space required **3375 x 5643 mm. (204.7 sq.ft.)** **less by 1203 mm.**



Estimated space saved is 32.7 sq.ft.
can be effectively utilized
for Wheel Balancer & Tyre Changer

Drive Through possibility for express alignment



SPACE CONSTRAINT • NO WORRY

Where does NEO 3D fit ?



- Space constrained workshop
- Space constrained tyre outlet
- Road side service pit shop
- Small alignment centre
- Micro garage

STANDARD ACCESSORIES

Target Plates	–	4 Nos.
Wheel brackets (12” - 24”)	–	4 Nos.
Rotary Plates - (2 ton)	–	2 Nos.
Steering Lock	–	1 No.
Brake Pedal Lock	–	1 No.
Wheel stoppers	–	2 Nos.
LED Monitor	–	1 No.
Align+ & Data Manager Software	–	1 No.



TECHNICAL SPECIFICATIONS

Measurement parameters	Range	Accuracy
Camber (Front / Rear)	± 15° 00'	± 00° 02'
Caster	± 28° 00'	± 00° 02'
Kingpin Inclination	± 25° 00'	± 00° 05'
Toe (Front / Rear)	± 20° 00'	± 00° 02'
Total Toe	± 40° 00'	± 00° 02’
Setback (Front / Rear)	± 25 mm	± 1 mm
Thrust angle	± 05° 00'	± 00° 01'
Runout	± 10° 00'	± 00° 02'
Included angle	± 40° 00'	± 00° 05'
Track width difference	± 300 mm	± 5 mm
Power supply	230V / 110V AC, 50Hz / 60Hz	
Power consumption	250W	
Operating temperature	0° - 50°C	

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ISO 9001 : 2015

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